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ABSTRACT

The annotated bibliography provides abstracts of 43 research reports, guides, handbooks, descriptions of pilot programs, conference and seminar proceedings, and monographs, and of 12 journal articles, all published since 1967, dealing with the various aspects of vocational education administration at the State level. The cited listings were selected from the printout of a computer-assisted search of Research in Education (RIE), Abstracts of Instructional and Research Materials in Vocational and Technical Education (AIM/ARM), and Current Index to Journals in Education (CIJE), and are available in microfiche or paper copy from the ERIC Document Reproduction Service (EDRS). In addition, seven projects for FY 1974, selected from Applied Research Projects Supported in FY 1974 under Part C of the Vocational Education Amendments of 1968, are cited, and the project number, duration, title, investigator, and institution are given. (JR)

ED106519

Bibliography Series No. 21

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STATE ADMINISTRATION OF VOCATIONAL EDUCATION: INFORMATION SOURCES

Compiled by

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The Center for Vocational Education
The Ohio State University
1960 Kenny Road, Columbus, Ohio 43210

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CE 003 688

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PREFACE

The project staff of Abstracts of Instructional and Research Materials in Vocational and Technical Education (AIM/ARM) at The Center for Vocational Education has prepared and made available five bibliographies to assist others in applying for support of research projects in vocational education for Fiscal Year 1975. Each bibliography provides access to sources of information about one of five priority areas announced by the U.S. Office of Education pursuant to authority contained in Section 131(a) of Part C of the Vocational Education Act of 1963, as amended. It is hoped that these bibliographies will be genuinely helpful. Titles in this group are:

State Administration of Vocational Education: Information Sources
Local Administration of Vocational Education: Information Sources
Guidance, Counseling, Placement, and Follow-Through Systems: Information Sources
Educational Personnel for the Disadvantaged, Handicapped, and Minorities: Information Sources
Curriculum, Demonstration, and Installation Studies: Information Sources

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INTRODUCTION

Administration of vocational education at the state level has been designated as a priority area for research projects to be sponsored by the U.S. Office of Education during Fiscal Year 1975. When undertaking a research project it is important to take into consideration previous work and current activity in the same area so as to avoid duplication and build upon prior knowledge. Reports on completed work has been announced in Research in Education (RIE) or Abstracts of Instructional and Research Materials in Vocational and Technical Education (AIM/ARM) or described in journal articles announced in Current Index to Journals in Education (CIJE).

The report literature and journal articles cited in this publication were found in a computer-assisted search of RIE, AIM/ARM, and CIJE. These citations were selected from among a larger number uncovered in the initial search. The selected items were deemed relevant to the topical area and representative of previous work. As with most bibliographies, the inclusions are a product of the search strategies, the time available, and the judgement of the compilers. Therefore, users of the bibliography should seek information from other sources as well. The items are available in microfiche or paper copy from the ERIC Document Reproduction Service (EDRS) or the original source as indicated in the citation.

The projects in progress cited were selected from among those listed in Applied Research Projects Supported in FY 1974 under Part C of the Vocational Education Amendments of 1968 (Washington, D.C.: U.S. Department of Health, Education, and Welfare, June, 1974). Additional information about these projects may be found in the above cited publication or from the project director listed.

SOURCES OF INFORMATION

Report Literature

ED032431 VT009348
VOCATIONAL TECHNICAL AND CONTINUING EDUCATION IN PENNSYLVANIA. A SYSTEMS APPROACH TO STATE-LOCAL PROGRAM PLANNING.
Arnold, Walter M.
Pennsylvania Research Coordinating Unit for Vocational Education, Harrisburg.
Pub Date 69 Note-534p.
EDRS Price MF-$0.65 HC-$19.74
Descriptors-Adult Education/ Economic Progress/ Educational Administration/ Employment Trends/ Population Trends/ Program Descriptions/ Program Evaluation/ *Program Planning/ Research Coordinating Units/ *State Departments of Education/ *State Programs/ State Surveys/ *Systems Approach/ Systems Concepts/ Technical Education/ *Vocational Education
Identifiers-*Pennsylvania
The Pennsylvania Vocational Education Study was planned primarily as a pragmatic overview and analysis of vocational, technical, and continuing education for the years 1964-1968, with a goal of determining its achievements, deficiencies, and direction in the light of priority needs. Recommendations and conclusions were derived from data relating to: (1) a 5-year analysis of enrollments and expenditures in vocational-technical and continuing education, (2) economic trends, (3) occupational training agencies, programs, and output of graduates, (4) a description of a systems approach to vocational and technical education program-planning, (5) reporting procedures and financial aid policies, (6) teacher education and certification, (7) vocational guidance services, and (8) special problems of Philadelphia and Pittsburgh. Major recommendations were for: (1) expansion of post-secondary vocational and technical education, (2) increased funding and emphasis on adult education, (3) overcoming deficiencies in health, occupations, technical education, and special needs programs for the socioeconomic disadvantaged, (4) development of an organized systematic planning procedure, (5) modernization of financial aid policies and reporting procedures, and (6) improvement in communication patterns between state and local levels. (DM)

ED035716 08 VT009578
MANPOWER INFORMATION FOR VOCATIONAL EDUCATION PLANNING. FINAL REPORT. LEADERSHIP SERIES NO. 21.
Young, Robert C., Ed.
Ohio State Univ., Columbus. Center for Vocational and Technical Education.
Spons Agency-Office of Education (DHEW), Washington, D.C. Bureau of Research.
Bureau No.-BR-7-0158
Grant-OEG-3-7-000158-2037

Pub Date Nov 69 Note-175p.; Report of a conference held at The Ohio State University's Center for Vocational and Technical Education, June 12 and 13, 1969

Available from-The Center for Vocational and Technical Education, The Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210 ($3.50)

EDRS Price MF-$0.65 HC-$6.58

Descriptors-*Conference Reports/ Data Analysis/ Educational Mobility / Educational Needs/ Employment Opportunities/ Employment Projections/ Labor Economics/ Manpower Development/ *Manpower Needs/ Occupational Mobility/ Program Improvement/ *Program Planning/ *Vocational Education

Identifiers-Manpower Forecasting/ *State Vocational Education Planning

Twenty-three participants attended a conference with a major objective of providing insight into techniques of forecasting, new kinds of data being generated by the Department of Labor and others, and the difficulties and possible resolution of problems in utilizing data in the vocational education planning process. Major presentations were: (1) "Occupational Job Requirements, A Short-Cut Approach to Long-Range Forecasting: Report on Test Results in Several Cities," by N. Medvin, (2) "Forecasting Occupational Employment for State Vocational Education Planning," by H. Goldstein, (3) "Forecasting Occupational Employment for State Vocational Education Planning," by I.F.O. Wingeard, (4) "Occupational Education and Training Requirements: Relationships Essential for Planning State Vocational Education," by J.R. Shea, (5) "Estimates of Vocational Education Requirements Based upon General Learning Corporation Model," by J. Nussbaum and W. Morsch, (6) "Aspects of Geographic and Occupational Mobility in Planning for State Vocational Education Programs," by E.W. Stromsdorfer, and (7) "Alternatives in Vocational Education," by G.L. Mangum. Discussion leaders were J.G. Scoville, N. DeWitt, H.S. Parnes, B. Shoemaker, and R. Worthington. (DM)

ED035724 08 VT009842

SECOND NATIONAL LEADERSHIP DEVELOPMENT SEMINAR FOR STATE DIRECTORS OF VOCATIONAL EDUCATION. FINAL REPORT. LEADERSHIP SERIES NO. 23.

Ward, Darrell L.; Miller, Aaron J.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Spons Agency-Office of Education (DHEW), Washington, D.C. Bureau of Research.

Bureau No.-BR-7-0158

Grant-OEG-3-7-000158-2037

Pub Date Nov 69 Note-135p.

Available from-The Center for Vocational and Technical Education, The Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210 ($3.50)

EDRS Price MF-$0.65 HC-$6.58

Descriptors-Business Administration/ *Conference Reports/ *Educational Planning/ Government Role/ Leadership Training/ Master Plans/ Seminars/ Systems Approach/ *Vocational Directors/ *Vocational Education

Identifiers-Delphi Technique/ Program Evaluation and Review Technique Planning

More than 100 state directors and other leaders in vocational and technical education attended the seminar designed to provide assistance to state directors in their leadership role in state-wide planning for vocational and technical education. Papers included in the report are: (1) "Long-Range Planning in Government" by DeMarquis D. Wyatt, (2) "Control Data's Interactive Planning System: Long-Range Planning in Business" by Curtis W. Fritze, (3) "A Call to Vision: Long-Range Planning in Education" by Ewald B. Nyquist, (4) "Manpower Development--Who Will Have the Responsibility" by Lowell A. Burkett, (5) "Planning Within the Power Structure" by John A. Beaumont, (6) "Political Aspects of Planning" by B. Dean Bowles, (7) "Congressional and Legislative Liaison" by Arthur M. Lee, (8) "Project Planning and Control Through PERT" by Desmond L. Cook, (9) "Planning, Programming and Budgeting Systems" by Joseph F. Malinski, and (10) "The Delphi Technique" by Donald P. Anderson. Sub-group work session reports are also included. (JK)

ED038501 08 VT010277

SUPERVISION AND DECISION-MAKING SKILLS IN VOCATIONAL EDUCATION: A TRAINING PROGRAM UTILIZING SIMULATION TECHNIQUES. FINAL REPORT.

Rice, Dick C.; Beckley, Richard F.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Spons Agency-Office of Education (DHEW), Washington, D.C. Bureau of Research.

Report No.-HS-51 Bureau No.-BR-7-0158

Grant-OEG-3-7-000158-2037

Pub Date Mar 70 Note-116p.

Available from-The Center for Vocational and Technical Education, Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210

EDRS Price MF-$0.65 HC-$6.58

Descriptors-Bibliographies/ *Decision Making Skills/ *Institutes (Training Programs)/ Problem Solving/ Program Evaluation/ *Simulation/ *Supervisory Training/ Teaching Guides/ *Vocational Education/ Workshops

Simulation exercises focusing on the development of personal and technical skills of supervision and decision making are presented as the first in a series of projects designed to develop, test, and disseminate simulation training materials for state leadership development. The exercises incorporate three dimensions of supervisory behavior: functions, goals, and processes. This publication includes four simulation exercises, an instructor's guide, background data for the exercises, and student working papers. The exercises may be used individually, as a group of four related exercises, or in combination with exercises to be developed within this series. These exercises were developed from actual case histories and problems submitted by present leaders of vocational education. The instructors guide attempts to provide assistance in conducting training sessions utilizing this material. (CH)

ED041121 08 VT011235

A SYSTEM FOR STATE EVALUATION OF VOCATIONAL EDUCATION. FINAL REPORT.

Starr, Harold; And Others

Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Spons Agency-Office of Education (DHEW), Washington, D.C. Bureau of Research.

Report No.-Res-Ser-58 Bureau No.-BR-7-0158
Grant-OEG-3-7-000158-2037
Pub Date May 70 Note-196p.
Available from-The Center for Vocational and Technical Education, The Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210 ($2.50)
EDRS Price MF-$0.65 HC-$6.58
Descriptors-Charts/ Conceptual Schemes/ Data Sheets/ Educational Objectives/ Educational Planning/ Models/ *Program Development/ *Program Evaluation/ *State Programs/ *Systems Approach/ *Vocational Education

A model system, composed of principles, procedures, and instruments which were field tested in cooperating states (Colorado, Kentucky, and New Jersey), was developed for use by state vocational agencies in evaluating program effectiveness. System elements include a set of program objectives and goal statements, evaluation instruments which provide data about program and student characteristics and training outcomes, and data processing routines and computer programs to facilitate interpretation. Suggestions for system implementation are provided. Also included is a selected bibliography, which identifies studies with implications for state and local program planning. The model system is illustrated, and examples of program objectives, goal statements, and evaluation instruments are appended. The interim report is available as ED 032 436. (SB)

ED042028 08 VT011405
THE ROLE OF EVALUATION IN THE DECISION-MAKING PROCESS. CENTER OCCASIONAL PAPER NO. 5.
Coster, John K.; Morgan, Robert L.
North Carolina Univ., Raleigh. N.C. State Univ. Center for Occupational Education.
Spons Agency-Office of Education (DHEW), Washington, D.C. Bureau of Research.
Bureau No.-BR-7-0348
Grant-OEG-2-7-070348-2698
Pub Date 69 Note-28p.
EDRS Price MF-$0.65 HC-$3.29
Descriptors-Administrator Responsibility/ *Conceptual Schemes/ *Decision Making/ Educational Objectives/ Management Systems/ Program Administration/ *Program Evaluation/ *Program Planning/ *Vocational Education

In this model for program planning and evaluation, the State Director of Vocational Education acts as the chief program manager or decision-maker. In addition, a program evaluator manages an information system which provides the decision-maker with a means of assessing the efficacy of the course he has chosen. Elements of the model include individual attributes, needs of society, vocational education goals and objectives, operational procedures, material and human resources, and actual outcomes or products of the program. Evaluation may be in terms of an appraisal of the process, or it may be directed toward an appraisal of the outcomes. The decision-maker is responsible for administrative functions, such as allocating resources and ordering objectives into a hierarchy, while the program evaluator is responsible for the management system. This model, which may be used at any level, illustrates the information that must be provided by the program administrator to the decision-maker if appropriate alternatives are to be selected, objectives attained, and goals realized. Evaluation is a key element in progress and goal realization. (SB)

ED042050 VT011582
OCCUPATIONAL TRAINING INFORMATION SYSTEM. FINAL REPORT COMPLETE WITH SYSTEM DOCUMENTATION.
Braden, Paul V.; And Others
Oklahoma State Univ., Stillwater.
Spons Agency-Manpower Administration (DOL), Washington, D.C.; Oklahoma State Dept. of Education, Oklahoma City. Dept. of Vocational Technical Education.; Oklahoma State Dept. of Industrial Development and Parks, Oklahoma City.; Ozarks Regional Commission, Little Rock, Ark.
Report No.-OKSU-MP-70-01
Pub Date 30 Jun 70 Note-348p.
EDRS Price MF-$0.65 HC-$13.16
Descriptors-*Information Systems/ *Labor Supply/ Manpower Development/ *Manpower Needs/ Occupational Information/ On the Job Training/ *Program Descriptions/ State Programs/ *Unemployed/ Vocational Education
Identifiers-*Occupational Training Information System/ OTIS
The overall purpose of the Occupational Training Information System (OTIS) is to provide improved data for evaluating recommended changes in Oklahoma's State Plan for Vocational Education. In addition to matching manpower supply and demand to show net demand, the project includes components and cost analysis, a followup, underdeveloped human resources, and sociopolitical involvements between different agencies with similar goals. This final report contains recommendations for improvements in the information system, in addition to recommendations for improving occupational training in Oklahoma. Detailed documentation for making OTIS fully operational is contained in the appendixes, with sufficient information to duplicate the system elsewhere. (BH)

ED042914# VT011703
PERSONNEL RESPONSIBLE FOR DECISIONS INFLUENCING VOCATIONAL EDUCATION IN LOCAL SCHOOLS.
Long, Gilbert Andrew
Pub Date 70 Note-144p.
Available from-University Microfilms, Inc., 300 North Zeeb Road, Ann Arbor, Michigan 48106
Document Not Available from EDRS.
Descriptors-Administrative Personnel/ *Administrator Responsibility/ Comparative Analysis/ *Decision Making/ Doctoral Theses/ Educational Research/ Principals/ School Superintendents/ Secondary Schools/ *Teacher Responsibility/ *Vocational Education/ *Vocational Education Teachers
To determine where vocational education decisions are made in the administrative hierarchy of the school system and to measure the extent of agreement concerning the location of decision responsibility, superintendents, principals, and 204 vocational teachers in 22 Ohio secondary schools were interviewed using a decision analysis instrument composed of 45 decisions. The respondents generally agreed upon the location of decision responsibility for 38 of the 45 decisions. By using the same analysis instrument, a jury of experts in school administration were in agreement for 35 of these 38 decisions, inferring that experts in educational administration can project decision-making functions in secondary schools. Greater agreement in perception by the respondents was found concerning teachers' responsibilities, inferring that teachers' decisional

functions are more commonly recognized than are those of the principal or superintendent. So that staff may be trained to make decisions within their particular function, more research should be conducted to define decision responsibilities of teachers, principals, and superintendents. This Ph.D. dissertation was submitted to the Ohio State University. (GP)

ED043941 EA002970

NEW YORK STATE EDUCATIONAL INFORMATION SYSTEM (NYSEIS) SYSTEMS DESIGN. VOLUME I, PHASE II. FINAL REPORT.

Price Waterhouse and Co., New York, N.Y.

Spons Agency-Albany-Schoharie-Schenectady Board of Cooperative Educational Services, Albany, N.Y.; New York State Education Dept., Albany. Div. of Educational Management Services.

Pub Date Jul 69 Note-114p.

EDRS Price MF-$0.65 HC-$6.58

Descriptors-Computer Oriented Programs/ Educational Finance/ *Electronic Data Processing/ *Information Services/ *Information Systems/ Input Output Analysis/ Personnel Data/ *School Districts/ Student Records/ Systems Development

This volume on Phase II of the New York State Educational Information System (NYSEIS) describes the Gross Systems Analysis and Design, which includes the general flow diagram and processing chart for each of the student, personnel, and financial subsystems. Volume II, Functional Specifications, includes input/output requirements and file specifications necessary to support the systems design. Detailed systems design and programing is currently underway as Phase III. The NYSEIS system is designed to provide a complete range of information and data processing services to school districts in New York State. The report concludes that regionalization is the solution to the problem of providing comprehensive computer services to school districts. (JF)

ED045826 VT012091

VOCATIONAL-TECHNICAL EDUCATION IN HUMAN RESOURCE DEVELOPMENT IN FLORIDA: A STATEWIDE EVALUATION. RECOMMENDATIONS OF THE FLORIDA STATE ADVISORY COUNCIL ON VOCATIONAL AND TECHNICAL EDUCATION.

Florida State Univ., Tallahassee. Dept. of Educational Administration.

Spons Agency-Florida State Dept. of Education, Tallahassee.

Pub Date 70 Note-386p.

EDRS Price MF-$0.65 HC-$13.16

Descriptors-Advisory Committees/ Computer Assisted Instruction/ Educational Coordination/ Educational Innovation/ Educational Methods/ *Educational Needs/ *Educational Objectives/ Information Systems/ Inservice Teacher Education/ Program Effectiveness/ *Program Evaluation/ *State Programs/ Vocational Counseling/ *Vocational Education

Identifiers-Florida

Presented in two sections, this report consists of recommendations based on goals suggested by the National Advisory Council and the U.S. Office of Education, and the work of a study group organized as appendixes under each of the same goals. The summary of the recommendations revealed that the most frequently encountered problem was the tendency to treat the symptoms of human differences without considering the implications for education. Other major needs are a total management information system, and coordination between the major colleges and the local county operated vocational centers. (Author/JS)

ED045829 VT012157

A SYSTEMS APPROACH--1970 VOCATIONAL EDUCATION HANDBOOK FOR STATE PLAN DEVELOPMENT AND PREPARATION.

Hilton, E. P.; Gyuro, Steven J.

Kentucky Research Coordinating Unit, Lexington.; Kentucky State Dept. of Education, Frankfort. Bureau of Vocational Education.

Spons Agency-Office of Education (DHEW), Washington, D.C.

Pub Date 70 Note-90p.

EDRS Price MF-$0.65 HC-$3.29

Descriptors-Financial Support/ *Manuals/ Program Administration/ Program Development/ Program Guides/ *Program Planning/ Program Proposals/ Resource Materials/ *State Programs/ *Systems Approach/ *Vocational Education

Developed by the Bureau of Vocational Education and the Kentucky Research Coordinating Unit, this handbook presents a suggested outline for the preparation of a state plan for vocational education which can be applied in any state, regardless of size. Intended for boards of education, advisory councils, school administrators, vocational educators, and others, the emphasis is on a systematic approach to state plan development at the state, regional, and local levels. The guide is divided into five chapters which are: (1) Orientation, (2) Organization for State Plan Development, (3) Administrative Provisions, (4) A Systems Approach to Program Planning, and (5) Long-Range and Annual Planning. Also included are appendixes providing information on (1) the planning unit, (2) cooperative agreements with Public Employment Service, State Department of Corrections, State Department of Child Welfare, and the State Department of Mental Health, (3) the allocation of funds, (4) local program application, (5) sources of planning information, and (6) a checklist for program planning. (Author/JS)

ED047115 VT012435

A MATHEMATICAL PROGRAMMING MODEL FOR THE EFFICIENT ALLOCATION OF VOCATIONAL TECHNICAL EDUCATION FUNDS.

McNamara, James F.

Pennsylvania State Dept. of Education, Harrisburg. Bureau of Educational Research.

Pub Date 70 Note-92p.

EDRS Price MF-$0.65 HC-$3.29

Descriptors-Administration/ *Decision Making/ Educational Economics/ Information Needs/ *Mathematical Models/ Program Evaluation/ *Resource Allocations/ *School Funds/ *Vocational Education

This mathematical programing model was developed to provide the State Board of Education with complete information for evaluating decisions about the efficient allocation of vocational education funds to local school districts. The model, based on a supply-demand criterion, was tested on a set of occupational training programs within a given Labor Market Area of Pennsylvania. It was thus demonstrated that the model provides a generalizable procedure that can be applied to all labor markets in the State. The study integrates theories and concepts from the fields of vocational education, operations research, educational administration, and mathematical economics. The generalizability of the model is also enhanced by the fact that the administration of vocational education programs in every state must follow the regulations set forth in the guidelines provided by the U.S. Office of Education. This report is based on a doctoral dissertation. (Author)

ED047148 24 VT012566
THIRD ANNUAL NATIONAL LEADERSHIP DEVELOPMENT SEMINAR FOR STATE DIRECTORS OF VOCATIONAL EDUCATION. ARTICULATION OF VOCATIONAL EDUCATION PLANNING WITH COMPREHENSIVE STATE PLANNING.
Ward, Darrell L., Comp.; Kazarian, Edward N., Comp.
Ohio State Univ., Columbus. Center for Vocational and Technical Education.
Spons Agency-Office of Education (DHEW), Washington, D.C. Bureau of Research.
Bureau No.-BR-7-0158
Grant-OEG-3-7-000158-2037
Pub Date Jan 71 Note-59p.; Leadership Training Series No. 32
Available from-The Center for Vocational and Technical Education, The Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210
EDRS Price MF-$0.65 HC-$3.29
Descriptors-Advisory Committees/ Articulation (Program)/ *Educational Coordination/ Educational Planning/ Inservice Education/ Interagency Coordination/ *Leadership Training/ *Program Planning/ Seminars/ *State Programs/ *Vocational Education
More than 100 state directors and other leaders from 45 states, the District of Columbia, and Puerto Rico attended a 3-day inservice leadership development seminar to exchange information and examine coordinated state planning as it relates to programing in vocational-technical education. Seminar activities included group work sessions, a symposium, and these major presentations: (1) "A Governor's Perspective of Total State Planning and the Role of Vocational Education" by Robert E. McNair, (2) "The Challenge of Total Educational Planning Within a State" by Howard B. Casmey, (3) "A State Director of Vocational Education's Perspective of Total State Planning and the Role of Vocational Education" by Robert S. Seckendorf, (4) "Coordinated State Planning in Minnesota: Background Paper for a Symposium" by Joseph P. Malinski, (5) "The Role of the State Advisory Council in Vocational Education Planning: A Report of a Panel" by Bruce Heinhart, (6) "Interagency Cooperation for Implementation of State Planning" by Herbert Righthand, (7) "Career Education: The Oregon Way" by Leonard Kunzman, and (8) "Implementing State Planning in Vocational-Technical Education" by Martin Essex. (SB)

ED048503 24 VT012862
GUIDE FOR STATE VOCATIONAL-TECHNICAL EDUCATION INFORMATION DISSEMINATION SYSTEMS.
Taylor, Celianna I.; Magisos, Joel H.
Ohio State Univ., Columbus. Center for Vocational and Technical Education.
Spons Agency-Office of Education (DHEW), Washington, D.C. Bureau of Research.
Report No.-R & D-Ser-47 Bureau No.-BR-7-0158
Grant-OEG-3-7-000158-2037
Pub Date 71 Note-206p.
EDRS Price MF-$0.65 HC-$9.87
Descriptors-Educational Objectives/ Educational Planning/ Educational Resources/ *Information Dissemination/ Information Needs/ Information Networks/ *Information Systems/ Information Utilization/ Models/ Problem Solving/ Program Evaluation/ *Program Guides/ *Research Coordinating Units/ Research Utilization/ State Programs/ *Vocational Education

The State Research Coordination Units (RCU's) are in an optimum position to provide linkage between the Educational Resources Information Center (ERIC) and its users as part of a comprehensive vocational-technical education information dissemination system. Realizing this, the Center for Vocational and Technical Education developed this guide with the assistance of RCU personnel. The Guide offers a means of facilitating the information dissemination provision of the Vocational Education Act Amendments of 1968, strengthened by the development of an effective linkage with ERIC and the ERIC Clearinghouse on Vocational and Technical Education, greater knowledge of the total system of participants, and attention to sound principles of program planning and operation. An overview of the problem, guiding principles, essential planning considerations, and steps in implementation are included. Professional personnel should find the guide flexible enough to permit use at different levels and stages of information dissemination efforts. Appendixes and attachments help explain the uses and resources of ERIC. (CD)

ED052374 24 VT013595

A PILOT INVESTIGATION FOR DEVELOPING AND OPERATING A STATE OCCUPATIONAL INFORMATION SERVICE SYSTEM FOR VOCATIONAL-TECHNICAL EDUCATION. FINAL REPORT.

Baker, Richard A.; And Others

Alabama Research Coordinating Unit for Vocational and Technical Education, Montgomery.

Spons Agency-Office of Education (DHEW), Washington, D.C.

Bureau No.-BR-9-D-026

Grant-OEG-4-9-100026-0040-057

Pub Date Dec 70 Note-49p.

EDRS Price MF-$0.65 HC-$3.29

Descriptors-Computer Storage Devices/ Data Processing/ *Educational Planning/ Information Retrieval/ Information Storage/ *Information Systems/ *Manpower Needs/ Occupational Guidance/ *Occupational Information/ Resources/ State Programs/ Technical Education/ *Vocational Education

To investigate and resolve some of the problems associated with developing a permanent state-wide occupational information service system for planning and programing vocational education, a small scale data bank was developed for six selected countries in Alabama. Inputs were collected from 38 high schools offering vocational education, two post-secondary vocational institutes, three county employment offices, one chamber of commerce, four institutions offering non-public supported programs, and some manpower training programs. The occupation-industry material approach was used to estimate employment levels, and a cross tabulation computer program was used to project employment. The information output components were: (1) demographic, (2) manpower demand, (3) manpower supply, and (4) resources inventories. Charts and exhibits illustrate the kinds of information available and its output organization from the system. (Author)

ED055217# VT013959

FACTORS ASSOCIATED WITH PARTICIPATION BY MICHIGAN SCHOOL SUPERINTENDENTS IN PROGRAMS AUTHORIZED UNDER THE PROVISIONS OF THE VOCATIONAL EDUCATION ACT OF 1963.

Pierce, William Frank

Pub Date 67 Note-317p.; Ph.D. Dissertation, Michigan State University

Available from-University Microfilms, Inc., P.O. Box 1764, Ann Arbor, Michigan 48106 (Order No. 68-4202, MF $4.00; Xerography $10.00)

Document Not Available from EDRS.

Descriptors-*Administrator Background/ *Decision Making/ Doctoral Theses/ Environmental Influences/ *Federal Aid/ Federal Legislation/ Individual Characteristics/ Professional Training/ Program Development / *Superintendents/ *Vocational Education

Identifiers-Michigan/ Vocational Education Act of 1963

The major purpose of this study was to identify some of the variables associated with the decisions of school superintendents to submit applications for funding under the provisions of the Vocational Education Act of 1963. By means of a questionnaire, 200 randomly selected public school superintendents were requested to submit data concerning their: (1) professional preparation and experience, (2) professional environment, and (3) the operational procedures of the Division of Vocational Education. Major findings based on analysis of data revealed that: (1) Superintendents who applied for funds possessed a significantly higher level of academic preparation, and (2) The superintendent's undergraduate major, types and length of teaching experience, length of experience as a superintendent or length of employment in fields other than education had no significant relation to the decision to apply for funds. In regard to variables related to the superintendent's immediate professional environment, it was found that superintendents who attended regional conferences conducted by the Division of Vocational Education were more likely to apply for funds. (Author/JS)

ED055249 52 VT014112

METROPOLITAN AREA APPLICATION OF VOCATIONAL EDUCATION INNOVATIONS RESULTING FROM RESEARCH AND DEVELOPMENT PROGRAMS. INSTITUTE IX, VOLUME II, FINAL REPORT.

Valentine, Ivan E.; Lowery, Nelson W.

Albuquerque Technical Vocational Inst., N. Mex.; Colorado State Univ., Ft. Collins. Dept. of Vocational Education.

Spons Agency-National Center for Educational Research and Development (DHEW/CE), Washington, D.C.

Bureau No.-BR-9-0524

Grant-OEG-0-9-150524-4520(725)

Pub Date Jun 71 Note-147p.; Part of Short Term Institutes for Inservice Training of Professional Personnel Responsible for Vocational-Technical Education in Western Metropolitan Areas

EDRS Price MF-$0.65 HC-$6.58

Descriptors-Educational Administration/ Educational Needs/ *Educational Planning/ *Information Systems/ Inservice Teacher Education/ *Institutes (Training Programs)/ *Professional Education/ Research Methodology/ Simulation/ Systems Analysis/ *Vocational Education

The five papers contained in this document were written by individuals with nationally recognized expertise on the selected subjects and designated experts presented reviews of the papers during the institute. Topics include: (1) "An Assessment of Present Information Systems and Implications for Vocational Education" by Douglas C. Towne, (2) "Systems Analysis as an Instrument for Change in Urban Education" by David S. Bushnell, (3) "Long Range Planning in

Vocational-Technical Education" by Joseph F. Malinski, (4) "An Overview for the Application of Community Resources Relative to Specific Educational Needs" by A.P. Garbin, and (5) "Using the Delphi Technique and Simulation Exercises in Implementing Planned Program Change in Vocational Education" by Donald Anderson. A related document, Volume I, is available as VT 018 111. (GEB)

ED056215 VT014160

TENNESSEE INFORMATION RETRIEVAL AND DISSEMINATION SYSTEM FOR VOCATIONAL EDUCATION. FINAL REPORT (JULY 1, 1970-JUNE 30, 1971).

Wilder, Dolores J., Ed.

Tennessee Occupational Research and Development Coordinating Unit, Knoxville.; Tennessee Univ., Knoxville.

Report No.-Res-Ser-4

Pub Date 30 Jun 71 Note-70p.

Available from-Tennessee Research Coordinating Unit for Vocational Education, 909 Mountcastle Street, Knoxville, Tennessee 37916

EDRS Price MF-$0.65 HC-$3.29

Descriptors-Computer Based Laboratories/ *Educational Facilities/ Educational Researchers/ Information Retrieval/ *Information Systems/ *Information Utilization/ Microfiche/ Research Coordinating Units/ *Research Libraries/ Research Tools/ Research Utilization/ *Vocational Education

Identifiers-Educational Resources Information Center/ ERIC/ Tennessee

In order to move information concerning vocational and technical education from the library into the hands of practitioners, the Tennessee Research Coordinating Unit (RCU) in cooperation with the State Division of Vocational-Technical Education decided to develop a system of information retrieval and dissemination. Such a system has been developed through a series of seven phases which are: (1) minor remodeling of RCU facility to accommodate research library and resource materials, (2) installation of ERIC tapes on computer system, (3) development of a cataloging and filing system for materials, (4) installation of microfiche readers and files in 13 locations throughout the state, (5) updating of microfiche and related files, (6) workshops to orient users on availability and use of materials and equipment, and (7) development of a selective dissemination of information system for user groups. This report discusses each of these phases of development. Supplementary data in the appendix include a computer search questionnaire which was used to collect feedback on computer searches performed by the Tennessee RCU. (JS)

ED059353 VT013638

PLANNING AND MANAGEMENT SYSTEMS FOR STATE PROGRAMS OF VOCATIONAL AND TECHNICAL EDUCATION: AN APPLICATION OF RESEARCH.

Nowrasteh, Daryush M.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Spons Agency-Office of Education (DHEW), Washington, D.C.

Report No.-Inf-Ser-48

Pub Date 71 Note-40p.

Available from-Center for Vocational and Technical Education, The Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210 ($2.50)

EDRS Price MF-$0.65 HC-$3.29

Descriptors-Chief Administrators/ Critical Path Method/ Educational Administration/ Information Systems/ *Management Systems/ Manuals/ Operations Research/ *Program Administration/ *Program Planning/ Research Utilization/ *State Programs/ Systems Analysis/ Technical Education/ *Vocational Education

Identifiers-PERT/ Planning Programing Budgeting Systems/ PPBS/ Program Evaluation and Review Technique

This publication is designed to serve state-level planners interested in reviewing the key concepts of state planning and management systems. The compact nature of the review and its organization in guideline format should provide a ready reference for the practitioner seeking to develop and improve management systems for vocational education in his state. Major sections of the report include: (1) Systems and Systems Analysis, (2) Management by Objectives, (3) Operations Research, (4) Program Evaluation and Review Technique (PERT) and Critical Path Method (CPM), (5) Planning, Programming, Budgeting Systems (PPBS), (6) Management Information Systems, and (7) Performance Indicators. (Author/JS)

ED060183 VT014482

REVIEW AND SYNTHESIS OF RESEARCh ON MANPOWER FORECASTING FOR VOCATIONAL-TECHNICAL EDUCATION.

Kidder, David E.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Spons Agency-Office of Education (DHEW), Washington, D.C.

Report No.-Inf-Ser-54

Note-76p.

Available from-Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402

EDRS Price MF-$0.65 HC-$3.29

Descriptors-Bibliographies/ Data Analysis/ Employment Projections/ *Manpower Needs/ *Models/ Prediction/ Program Planning/ Research Methodology/ *Research Reviews (Publications)/ *Systems Approach/ Technical Education/ *Vocational Education

Identifiers-Occupational Training Information System/ OTIS

Designed to assist vocational education program planners as well as researchers in making manpower projections, this report attempts to sort out and classify forecasts and their underlying models. In reviewing this subject, major sections of the document were devoted to: (1) The Forecasting Process, (2) Unspecified Techniques, (3) Specified Technological Models, (4) Specified Economic Models, (5) Specified Predictive Models, and (6) Data Availability and Quality. No one model clearly boasts more advantages than any other, and the potential user should weigh the costs and benefits of a particular choice of model. However, the author stated a preference for the Occupational Training Information System (OTIS) approach which, for forecasting at the state level, has definite advantages as a total systems approach. This preference was based on the belief that the OTIS model incorporates components which should make it possible to evaluate the system's total performance and its performance in solving specific problems, particularly those of the disadvantaged worker. (Author/JS)

ED060199 VT014774
AN INVESTIGATION OF DECISION-MAKING PRACTICES IN ILLINOIS JUNIOR COLLEGES WITH IMPLICATIONS TOWARD A SYSTEMS APPROACH TO CURRICULUM DEVELOPMENT AND EVALUATION IN OCCUPATIONAL EDUCATION AS PART OF THE PHASE II REPORT.
Borgen, Joseph A.; Davis, Dwight E.
Joliet Junior Coll., Ill.
Spons Agency-Illinois State Board of Vocational Education and Rehabilitation, Springfield. Vocational and Technical Education Div.
Pub Date May 71 Note-178p.
Available from-Illinois Occupational Curriculum Project, Joliet Junior College, 1216 Houbolt Avenue, Joliet, Ill. 60436 ($1.50)
EDRS Price MF-$0.65 HC-$6.58
Descriptors-Community Colleges/ *Curriculum Development/ *Decision Making/ Formative Evaluation/ *Junior Colleges/ *Models/ Program Development/ Program Evaluation/ Research Projects/ Systems Approach/ *Vocational Education
Identifiers-Illinois Occupational Curriculum Project/ IOCP
As part of the Phase II report of the Illinois Occupational Curriculum Project, this document focuses on the structuring of a model for occupational curriculum development and evaluation. Thus, a questionnaire was developed to identify: (1) the tasks and various activities within the institutions, (2) some of the key curriculum changes that have been made and how these changes have progressed from the initial effort to final adoption, and (3) the decisions made, how they were made, and who was involved in them. Conclusions based on data collected and analyzed included: (1) More junior and community colleges should complete a manpower survey, (2) Job analysis surveys should be completed or utilized in occupational program planning, (3) One of the primary methods used in the development of occupational programs and courses was the reviewing of programs of other institutions, and (4) Most of the decisions pertaining to occupational program identification and development were made by the occupational dean. Upon completion of Phase II of this project, Phase III is proposed for pilot testing the model. Related documents are available as VT 014 775 and VT 014 776 in this issue, and ED 050 270. (JS)

ED062505 VT013928
A REVIEW AND SYNTHESIS OF RESEARCH ON MANAGEMENT SYSTEMS FOR VOCATIONAL AND TECHNICAL EDUCATION.
Hale, James A.
Ohio State Univ., Columbus. Center for Vocational and Technical Education.
Spons Agency-Office of Education (DHEW), Washington, D.C.
Report No.-Inf-Ser-51
Pub Date 71 Note-184p.
EDRS Price MF-$0.65 HC-$6.58
Descriptors-Budgeting/ *Educational Administration/ Educational Planning/ Information Systems/ *Management Development/ *Management Systems/ Models/ Personnel Selection/ Policy Formation/ *Research Reviews (Publications)/ School Community Relationship/ School Industry Relationship/ Student Personnel Services/ Systems Concepts/ Technical Education/ Techniques/ Theories/ *Vocational Education
Identifiers-Planning Programing Budgeting Systems/ PPBS

The management of education is an increasingly important consideration throughout the nation. Tested management concepts and systems are needed for vocational and technical education to efficiently resolve the complex problems of: (1) policy development, (2) planning, (3) provision and utilization of facilities and equipment, (4) budgeting and finance, (5) staffing, (6) pupil-personnel services, (7) evaluation, and (8) student-school-community-industry relations. This publication should assist in identifying substantive problems, methodological approaches, alternative solutions, and needed research and development in the areas of data and management systems, subsystems, and procedures. With emphasis given to synthesis and demonstration of concepts, major sections of the paper are devoted to: (1) Theory of Systems, (2) PPBS: A Management Subsystem, (3) Management Information Systems, (4) Management Techniques and Related Tools, and (5) Training of Administrators and Needed Research. (Author/JS)

ED062520 08 VT015020

PROCEEDINGS OF THE NATIONAL SEMINAR FOR STATE DIRECTORS OF COMMUNITY-JUNIOR COLLEGES (JANUARY 10-11, 1972). FINAL REPORT.

Daugherty, Ronald, Comp.; And Others

Spons Agency-American Association of Junior Colleges, Washington, D.C.; Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Report No.-LT-Ser-36 Bureau No.-BR-7-0158

Grant-OEG-3-7-000158-2037

Pub Date Mar 72 Note-134p.

EDRS Price MF-$0.65 HC-$6.58

Descriptors-*Articulation (Program)/ *Career Education/ *Community Colleges/ Conference Reports/ Curriculum Design/ Educational Trends/ Information Systems/ *Junior Colleges/ *Leadership Training/ Models/ Post Secondary Education/ Program Administration/ Program Development/ Secondary Education/ Seminars/ State Programs/ Traffic Safety/ Vocational Education

This 3-day seminar was specifically designed to acquaint state leaders with those trends in occupational education having direct and indirect implications for the post-secondary level and to provide a forum for identification and discussion of problems. Thus, 49 participants met and responded to presentations on the following topics: (1) "Improved Communications in State Administration of Vocational Education" by S.V. Martorana, (2) "Communications With the State Department of Vocational Education and Community-Junior Colleges" by J. E. Snyder, (3) "Secondary Schools and Community-Junior Colleges Vocational Education Articulation" by F.D. Lillie, (4) "Occupational Education Program Articulation Between the Community College and Baccalaureate Levels" by L. W. Bender, (5) "Articulation Between the Proprietary School and Public Schools" by W. Goddard, (6) "Career Education and the Community-Junior College" by R. Worthington, (7) "Career Education--An Educational Concept" by K. Goldhammer, (8) "School Based Comprehensive Career Education Model" by B. Reinhart, (9) "Comprehensive Information System for Occupational Education" by P.V. Braden, (10) "Highway Safety" by R. Daugherty, and (11) "Occupational Information for Curriculum Design and Revision" by F. Pratzner and J. Joyner. (JS)

ED062553 VT015270
AN INTEGRATED STATE AND LOCAL MANAGEMENT AND INFORMATION SYSTEM FOR OCCUPATIONAL EDUCATION IN MASSACHUSETTS. A MONOGRAPH.
Conroy, William G., Jr.
Massachusetts State Dept. of Education, Boston.
Pub Date Nov 71 Note-84p.
EDRS Price MF-$0.65 HC-$3.29
Descriptors-Conceptual Schemes/ Cost Effectiveness/ Decision Making/ Educational Accountability/ Feedback/ *Information Systems/ *Management Systems/ Program Development/ Program Evaluation/ State Programs/ *Systems Development/ *Vocational Education
Identifiers-Massachusetts
To enable vocational educators to evaluate programs and account for the use of allocated resources, this monograph describes a rational decision-making process based on the Input, Process, Product, Impact conceptual structure for occupational education. In a rational management process, all management behavior is consistent with specified objectives and goals, which are modified in light of performance over time. Such a process is dependent upon a continuous flow of information which describes the goals and objectives of occupational education, the degree to which they are accomplished, and the elements which contribute to their accomplishment, all available in terms of cost, forming a foundation for accountability. The Management Information System for Occupational Education in Massachusetts is described in the document as it relates to the proposed system. (JS)

ED064484 VT015681
STATEWIDE CONFERENCE ON MANAGEMENT BY OBJECTIVES (DICKSON, TENNESSEE, NOVEMBER 8-11, 1971).
Tennessee State Board for Vocational Education, Nashville.
Report No.-Inf-Ser-11
Pub Date 11 Nov 71 Note-105p.
EDRS Price MF-$0.65 HC-$6.58
Descriptors-*Conference Reports/ Management Development/ *Management Systems/ *Objectives/ *State Government/ *Vocational Education
Identifiers-*Management by Objectives/ Tennessee
Staff members of the Division of Vocational-Technical Education and teacher educators attended a 4-day conference for the purpose of exploring the applicability of the management by objectives (MBO) process to vocational education. Conference presentations included: (1) "What Is Already Happening as Part of MBO?" by W. Russell Smith, (2) "Personal Job Objectives" by C. Kenneth Tanner, (3) "State Objectives and Priorities" by William M. Harrison, (4) "Management by Objectives" by Darrell L. Parks, (5) "Industrial Management" by Harold J. Black, (6) "MBO at the Institutional Level" by Charlie M. Dunn, and (7) "Where Do We Go From Here?" by Darrell L. Parks. Also included is an evaluation of the conference by the approximately 100 participants. (JS)

ED065709 VT016171
AN EVALUATION SYSTEM FOR STATE ADVISORY COUNCILS OF VOCATIONAL EDUCATION.
Robertson, J. Marvin
Note-47p.
EDRS Price MF-$0.65 HC-$3.29

Descriptors-*Advisory Committees/ Annual Reports/ Data Collection/ *Evaluation Criteria/ *Evaluation Needs/ Feedback/ Goal Orientation/ Management Systems/ *Measurement Goals/ State Programs/ Visual Aids/ *Vocational Education

Based on an evaluation system developed by a university educator in vocational education and used in the 1971 report of the Georgia State Advisory Council for Vocational Education, this description of eight evaluation needs for vocational education presents five directional goals, six goals for various educational levels, and six goals for supportive activities. As part of a management system, evaluation is involved in establishing, implementing, and assessing goals. Provision of criterion questions with quantitative measures for each goal is suggested, and feedback from state staff and local administrators in vocational education is required. Procedures for data collection and utilization are described. Diagrams and tables present the data, and a bibliography is included. (AG)

ED066554 VT014707

REVIEW AND SYNTHESIS OF COST-EFFECTIVENESS STUDIES OF VOCATIONAL AND TECHNICAL EDUCATION.

Stromsdorfer, Ernst W.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Spons Agency-Office of Education (DHEW), Washington, D.C.

Report No.-Ini-Ser-57

Pub Date 72 Note-151p.

Available from-Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402

EDRS Price MF-$0.65 HC-$6.58

Descriptors-Bias/ Community Benefits/ *Cost Effectiveness/ Employment Programs/ Manpower Development/ *Methodology/ Program Costs/ Program Effectiveness/ *Program Evaluation/ *Research Reviews (Publications)/ Sampling/ Statistical Analysis/ Technical Education/ *Vocational Education

Identifiers-Manpower Development Training Act/ MDTA

The methodology to perform benefit-cost studies exists, but there is much ambiguity concerning the implications of such studies as a result of using faulty methodology. For example, control groups are a necessity, as are adequate sampling procedures and adjustment for non-response bias and self-selection bias, and all studies do not employ this methodology. Another limitation is that currently a benefit-cost study will only show whether or not a program appears to pay. Further judgments must be made on whether to expand or cut back the program, and what to give up or take on. In spite of these and other limitations, benefit-cost analysis interjects a systematic analysis into a previously judgmental area. The cost and methodological limitations of such studies will inhibit their immediate widespread adoption. This study, written for non-economists, surveys the various approaches to improving the analysis of vocational education and related manpower training programs. (CD)

ED066561 08 VT016131

A SYSTEM FOR STATEWIDE EVALUATION OF VOCATIONAL EDUCATION. FINAL REPORT.

Starr, Harold; Dieffenderfer, Richard A.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Spons Agency-National Center for Educational Research and Development (DHEW/OE), Washington, D.C.
Report No.-R&D-Ser-69 Bureau No.-BR-7-0158
Grant-OEG-3-7-000158-2037
Pub Date May 72 Note-178p.; 1972 Revision
EDRS Price MF-$0.65 HC-$6.58
Descriptors-Data Processing/ Educational Accountability/ Educational Objectives/ Information Needs/ Measurement Instruments/ *Program Evaluation/ *Program Planning/ *State Programs/ *Systems Approach/ *Vocational Education
Developed as a result of nearly 3 years of development and revision, this evaluation system is designed to assist vocational education management in program planning, accountability, and reporting responsibilities. It was conceptualized within the framework of a management by objectives approach to program planning, but is compatible with other planning systems, and is flexible enough for adaptation to operational requirements of different states. The system insures a core of evaluative data for program planning, or for special studies of program effectiveness. State or local agencies can operate the system under the direction of one professional staff person (less than full time) with a full time secretary, with an additional operating cost estimated at 25 to 30 cents per student. The Center is prepared to assist vocational agencies in the states to install and adapt the evaluation system. Charts, forms and tables illustrate this document describing the system. Previous related reports are available as ED 032 456 and ED 041 121. (CD)

ED072226 VT018602
MANAGEMENT AND INFORMATION SYSTEM FOR OCCUPATIONAL EDUCATION. AN OVERVIEW.
Management and Information System for Occupational Education, Winchester, Mass.
Spons Agency-Massachusetts State Dept. of Education, Boston. Div. of Occupational Education.
Pub Date .72. Note-3p.
EDRS Price MF-$0.65 HC-$3.29
Descriptors-Adult Vocational Education/ Economic Research/ Educational Accountability/ Educational Coordination/ Educational Planning/ *Management Information Systems/ Man Machine Systems/ Post Secondary Education/ Program Costs/ *Program Descriptions/ Resource Allocations/ Secondary Grades/ *Statewide Planning/ *Systems Development/ *Vocational Education
Identifiers-*Management Information System Occupational Educa/ Massachusetts/ MISOE
Massachusetts Management and Information System for Occupational Education (MISOE) is the prototype for a man machine information system for the statewide management of vocational education at the secondary, post-secondary, and adult levels. Intended to provide a rational process of resource allocation for vocational education as a competitive social service agency, MISOE contains both a static and a dynamic component. Static MISOE, composed of an interrelated census and sample data system which includes the stipulation of program costs and performance objectives for each local education agency in the state, is intended to be the basis for accountability for all of Massachusetts' vocational education programs. Various cost

effectiveness analyses will be carried out for static MISOE, which will be integrated with existing Department of Education and Regional Board of Community College information systems. In the summer of 1973, dynamic MISOE, consisting of dynamic simulation and mathematical programing, will be developed. MISOE will be implemented statewide by Massachusetts' Division of Occupational Education during the 1973 school year, with the assistance of five local education agencies. Related documents are available in this issue as VT 018 600, VT 018 606, VT 018 809, and VT 018 810. (AG)

ED072303 VT018809
CONCEPTUAL ISSUES IN COST-IMPACT (BENEFIT) ANALYSIS.
Kaufman, Jacob J.; Cohn, Elchanan
Management and Information System for Occupational Education, Winchester, Mass.
Pub Date Sep 72 Note-47p.; Occasional Paper-9
EDRS Price MF-$0.65 HC-$3.29
Descriptors-*Cost Effectiveness/ *Economic Research/ Educational Economics/ Educational Planning/ Estimated Costs/ Information Utilization/ *Management Information Systems/ Man Machine Systems/ Operations Research/ Research Methodology/ *Vocational Education
Identifiers-*Management Information System Occupational Educa/ Massachusetts/ MISOE
As a response to several specific economic analysis questions asked by the staff of Massachusetts' Management and Information System for Occupational Education (MISOE), this paper focuses on concepts of costs and benefits required for cost-effectiveness analysis, as well as the methodology of cost-effectiveness analysis. Useful as background material for those unfamiliar with economics, this paper intends to clear up misconceptions surrounding cost-benefit analysis by a simple presentation of various conceptual issues. Topics covered include capital costs, average and marginal costs, cost sharing, and cost functions. Related documents are available in this issue as VT 018 600, VT 018 602, VT 018 606, and VT 018 810. (AG)

ED074221 08 VT019458
INFORMATION NEEDS OF LOCAL ADMINISTRATORS OF VOCATIONAL EDUCATION. FINAL REPORT.
McCracken, J. David; Gillespie, Wilma B.
Ohio State Univ., Columbus. Center for Vocational and Technical Education.
Spons Agency-National Inst. of Education (DHEW), Washington, D.C.
Report No.-OSU-R&D-Ser-84 Bureau No.-BR-7-0158
Grant-OEG-3-7-000158-2037
Pub Date Mar 73 Note-75p.
Available from-Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (no price quoted)
EDRS Price MF-$0.65 HC-$3.29
Descriptors-*Administrative Personnel/ Administrative Policy/ *Administrative Problems/ Administrator Attitudes/ *Decision Making/ *Information Needs/ Information Utilization/ Use Studies/ Vocational Directors/ *Vocational Education
Research findings often fail to reach key decision-makers either in the proper form or in time to assist in decision-making. Also, little is known about major problems for which local directors need

information, methods of seeking information used by these decision-makers, information normally used, or the criteria employed in selecting information. The purpose of this study was to identify the critical problems of local administrators of vocational education and the information sources they utilize. Data were collected from certain local administrators, selected by a stratified random sampling technique, through the use of telephone interviews and a mail questionnaire. Major conclusions include: (1) Local administrators generally perceived little need for information for use in problem resolution, (2) Most decision-making was in the absence of an information search, (3) Respondents desired experienced people as their major information source, and (4) The major criteria for utilization of print materials were the familiarity or degree of experience of the administrator with the materials, and the content quality. (GEB)

ED074226 VT019464
CONTINUED EVALUATION OF A MANAGEMENT INFORMATION SYSTEM FOR VOCATIONAL-TECHNICAL EDUCATION. STATEWIDE EVALUATION OF VOCATIONAL-TECHNICAL EDUCATION IN FLORIDA, VOLUME 5.
Latta, Raymond F.; Schmidt, Max L.
Florida State Univ., Tallahassee. Dept. of Educational Administration.
Spons Agency-Florida State Advisory Council on Vocational and Technical Education, Tallahassee.
Pub Date 72 Note-44p.
EDRS Price MF-$0.65 HC-$3.29
Descriptors-Area Vocational Schools/ Decision Making/ Educational Development/ Educational Improvement/ Educational Needs/ *Formative Evaluation/ Full State Funding/ *Management Information Systems/ *Models/ Occupational Guidance/ State Departments of Education/ *Statewide Planning/ Student Enrollment/ Systems Development/ *Vocational Education
Identifiers-*Florida State Plan
A general model for a management information system for vocational and technical education is presented for statewide planning purposes. This enrollment system was designed by the vocational division of the Florida State Department of Education to implement the recommendations of the state advisory council for vocational education. Included are these six components: (1) student data, (2) instructor data, (3) program course data, (4) space facility utilization, (5) student placement and followup, and (6) fiscal data. During the 1971 fiscal year, a large number of area vocational centers began implementing these subsystems. In order to improve the system, vocational educators at all levels and leaders in industry must be involved. Full state funding is needed for a long-range commitment, and detailed plans at all levels must be developed. In order to provide relevant information for decision-making in vocational and adult education, a revised enrollment system should be aligned with public and private employment services, together with subsystems in industry. This document is related to four others, available in this issue as VT 019 460-VT 019 463. (AG)

ED074229 VT019481
MANAGEMENT SYSTEMS: ANSWERS TO QUESTIONS ON VOCATIONAL AND TECHNICAL EDUCATION.
McCracken, J. David; Harris, Robert B.
Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Pub Date 72 Note-7p.
EDRS Price MF-$0.65 HC-$3.29
Descriptors-Coordination/ Decision Making/ *Management Systems/ Pamphlets/ *Program Administration/ Program Design/ *Questionnaires/ *Systems Development/ *Vocational Education
An explanation of management systems being utilized in vocational education, this pamphlet is designed for vocational educators, administrative personnel, project directors, and other individuals interested in this aspect of program development. Answered are these questions: (1) What are some systems and techniques that may be adapted for use in managing vocational education, (2) How may benefit-cost and cost-effectiveness analysis be used in evaluating vocational education programs, (3) What are some considerations in utilizing systems analysis, (4) What is the role of manpower forecasting in vocational educational planning, (5) What are desirable components in a manpower forecasting model, and (6) What is the difference between policy planning and work planning. The names and addresses of publishers from which the information included was obtained are listed. (SN)

ED074301 VT019825
OCCUPATIONAL TRAINING INFORMATION SYSTEM (OTIS) CYCLE FIVE REPORT.
Morton, J. B.; And Others
Oklahoma State Dept. of Vocational and Technical Education, Stillwater. Div. of Research, Planning, and Evaluation.
Pub Date Jan 73 Note-504p.
EDRS Price MF-$0.65 HC-$19.74
Descriptors-*Demand Occupations/ *Information Systems/ Labor Market/ *Labor Supply/ Manpower Development/ *Manpower Needs/ *Occupational Clusters/ Occupational Information/ State Programs/ Tables (Data)/ Vocational Education
Identifiers-*Occupational Training Information System/ Oklahoma/ OTIS
The Occupational Training Information System was developed to match manpower supply and demand by job cluster and to indicate net manpower requirements for Oklahoma. This report enumerates manpower data estimates for the period from July 1, 1972 through June 30, 1973. Except for a few introductory pages, the entire document is comprised of computer-produced tables of manpower supply and demand by occupational clusters, with applicable vocational education program clusters indicated for the demand occupations. (MF)

ED075647 VT020008
ESTABLISHMENT OF A COMPREHENSIVE DATA SYSTEM FOR OCCUPATIONAL TRAINING IN KENTUCKY--PHASE I, FINAL REPORT.
Ohio State Univ., Columbus. Center for Vocational and Technical Education.
Spons Agency-Economic Development Administration (DOC), Washington, D.C.
Pub Date Dec 72 Note-105p.
EDRS Price MF-$0.65 HC-$6.58
Descriptors-Advisory Committees/ Data Analysis/ *Data Collection/ Dropout Attitudes/ Employer Attitudes/ Employment Projections/ Graduate Surveys/ Information Dissemination/ *Management Information Systems/ *Manpower Needs/ *Relevance (Education)/ State Departments of Education/ Student Attitudes/ *Vocational Education
Identifiers-*Kentucky

This document reports on the first of a 3-phase plan to adapt and install a state vocational-technical education comprehensive data system for occupational training in Kentucky. The objective of the system described is to provide more comprehensive analysis of data essential to education decision-makers. Primary users of the system are expected to be state directors of vocational education and their staffs. Data collection and analysis elements were integrated to provide two subsystems with the functions of evaluation and planning. Analyses desired included manpower requirements, program effectiveness, cost analyses, student characteristics and program preferences, and post-schooling mobility patterns. Employer questionnaires provided employment forecasting. Follow-up questionnaires from high school students, dropouts, and graduates described their vocational experiences in relation to their schooling. It was found that working on a job was the most important post-school experience and that a desire for additional training in various occupations was expressed by all respondents. Detailed analyses of the data collected are presented, with the instruments used and the procedures developed for conducting regular and systematic follow-ups. No effort was made to evaluate vocational programs, which should be done only when appropriate criteria are available. (MF)

ED078129 VT019096
INFORMATION NEEDS OF STATE DIRECTORS OF VOCATIONAL EDUCATION.
McCracken, J. David
Ohio State Univ., Columbus. Center for Vocational and Technical Education.
Spons Agency-National Inst. of Education (DHEW), Washington, D.C.
Report No.-R&D-Ser-83
Grant-OEG-3-7-000158-2037
Pub Date Mar 73 Note-103p.
Available from-Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. (no price quoted)
EDRS Price MF-$0.65 HC-$6.58
Descriptors-*Administrative Problems/ Educational Problems/ *Information Needs/ Information Seeking/ *Information Sources/ Information Systems/ *Information Utilization/ Research Needs/ Social Problems/ State Departments of Education/ *Vocational Directors

To identify the critical problems of state directors of vocational education and the information sources utilized by them, data were collected by mail questionnaire and a series of telephone interviews with a stratified random sample of 15 state directors. Analysis of the data with respect to major problems, methods used to seek information, sources used to provide information, and criteria for information source utilization revealed that: (1) Major problems related to finance and administrative leadership, particularly program planning, staff, administrative organization, and decision-making, (2) Few problems related to teachers, instruction, or social issues, (3) State directors were more likely to seek information through personal contacts than by searching literature, (4) Information agencies were seldom used, (5) The preferred source of information was raw or treated data followed by expert opinion, (6) Reports and pamphlets were utilized almost to the exclusion of bibliographies, books, guides, indexes, and periodicals, and (7) Printed materials were generally selected because of the type and/or form of the information. Recommendations are included and areas of further research are identified. (SB)

ED079514 VT020684
THE MINNESOTA VOCATIONAL FOLLOW-UP SYSTEM: RATIONALE AND METHODS.
Pucel, David J.
Minnesota Univ., Minneapolis. Dept. of Trade and Industrial Education.
Spons Agency-Minnesota State Dept. of Education, St. Paul. Div. of Vocational and Technical Education.
Pub Date Feb 73 Note-85p.
EDRS Price MF-$0.65 HC-$3.29
Descriptors-*Area Vocational Schools/ Followup Studies/ Information Dissemination/ *Information Systems/ *Post Secondary Education/ Program Descriptions/ *Program Improvement/ Technical Education/ Vocational Education/ *Vocational Followup
Identifiers-*Minnesota
The vocational follow-up system described in this publication was developed as an outgrowth of Project MINI-SCORE and is designed to gather information useful in decision-making concerning the improvement of the post-high school full-time day programs offered in the Area Vocational-Technical Institutes of Minnesota. The data-gathering instruments, which were developed and perfected with the assistance of representatives of the Area Vocational-Technical Institutes and the Department of Education, provide student population information, program termination information, and student and employer follow-up information. This information is synthesized and reported to the State Department personnel and to the directors of the Minnesota Area Vocational-Technical Institutes. This report provides a description of the system, along with a more inclusive rationale for gathering information for vocational-technical education decision-making. (Author/SB)

ED080656 VT019095
INFORMATION UTILIZATION BY VOCATIONAL EDUCATORS.
McCracken, J. David; Gillespie, Wilma B.
Ohio State Univ., Columbus. Center for Vocational and Technical Education.
Spons Agency-National Inst. of Education (DHEW), Washington, D.C.
Report No.-RD-Ser-90 Bureau No.-BR-7-0158
Grant-OEG-3-7-000158-2037
Pub Date Mar 73 Note-37p.
EDRS Price MF-$0.65 HC-$3.29
Descriptors-Administrative Personnel/ *Guidelines/ Information Dissemination/ Information Seeking/ *Information Systems/ *Information Utilization/ Program Improvement/ Program Planning/ State Supervisors/ Teacher Educators/ Vocational Directors/ *Vocational Education/ Vocational Education Teachers
To describe the information-seeking behavior of local administrators, teacher educators, state directors, and state supervisors of vocational education, data from four previous studies were examined and user profiles were prepared for each of the four groups. The profiles contained information describing these eight dimensions of information utilization: (1) the work setting, (2) personal characteristics, (3) major professional problem areas, (4) decision-making mode, (5) information services used, (6) information sources or products used, (7) characteristics or criteria of products used, and (8) personal information sources. Guidelines for planning

and improving information dissemination systems and information utilization processes were developed by project staff after examining the user profiles and the reactions, suggestions, and criticisms offered by a jury of vocational and technical educators. The guidelines are grouped into the eight dimensions describing information utilization. (SB)

ED084360 CE000500
VOCATIONAL EDUCATION EVALUATION PROJECT: ANNUAL REPORT--FISCAL YEAR 1973.
Oliver, J. Dale; And Others
Virginia Polytechnic Inst. and State Univ., Blacksburg.
Spons Agency-Virginia State Dept. of Education, Richmond. Div. of Vocational Education.
Report No.-RP-808361-2; VEEP-4
Pub Date Sep 73 Note-24p.; See ED065699 for an explanation of the project and its projected growth
EDRS Price MF-$0.65 HC-$3.29
Descriptors-Annual Reports/ *Evaluation Needs/ *Evaluation Techniques/ Information Systems/ Management Systems/ Program Content/ Program Coordination/ Program Development/ *Program Evaluation/ *Program Planning/ Public Relations/ State Programs/ *Vocational Education
Identifiers-Virginia/ *Vocational Education Evaluation Project
The primary objective of the Vocational Education Evaluation Project (VEEP) is to develop a management information system for the planning and programing of vocational education. The work has been divided into a macro-system (primarily concerned with guidelines and systematic procedures at the State level) and a micro-system (emphasizing the assessing, planning, and programing of individual vocational education programs in local schools). This report presents project accomplishments within these areas: macro-system, micro-system, local evaluation, staffing, advisory committee, meetings with State staff, visits out-of-state, VEEP Library, presentations at meetings, meetings attended, and publications and publicity. Projected plans are outlined with emphasis on the macro-subsystem (including planning and the Vocational Education Reporting System) and the micro-system (program effectiveness and local evaluation components). The appendix lists 116 units completed during the year. (SC)

ED067433 IR000177
THE DEVELOPMENT AND IMPLEMENTATION OF AN INTEGRATED CAREER EDUCATION AND PLACEMENT PROGRAM FOR THE WASHINGTON STATE SYSTEM OF COMMUNITY COLLEGES.
Marble, James E.; And Others
Pub Date Apr 73 Note-12p.; Paper presented at the Association for Educational Data Systems Annual Convention (New Orleans, Louisiana, April 16 through 19, 1973)
EDRS Price MF-$0.65 HC-$3.29
Descriptors-*Career Education/ Career Planning/ Community Colleges/ *Computer Oriented Programs/ Data Bases/ Data Processing/ Humanism/ Humanization/ Information Networks/ Information Processing/ Information Services/ *Information Systems/ *Placement/ Program Descriptions/ State Programs/ *Statewide Planning
Identifiers-AEDS/ Association for Educational Data Systems/ IBM 360 Model 30/ ICEPP/ *Integrated Career Education and Placement Program/ Washington State Community College System

The community colleges in the state of Washington are committed to a Six Year Plan to provide computing and information systems support to all students. The system is intended to make available a broad range of career placement information to assist decision-making, thereby humanizing education by insuring fewer misguided students, counselors and teachers. The pilot phase of a program, known as the Integrated Career Education and Placement Program (ICEPP), seeks to implement these goals. It rests on four linear segments of career development: exploration, preparation, specialization, and continuing education/employment. The system uses the IBM 360 Model 30 DOS System with ten files containing data on students, institutions, employment forecasts, training programs, financial aids, jobs available, job descriptions, job titles, community resources and follow-up material. The second phase of the ICEPP will expand the pilot version statewide; regional networks of four to six institutions will be formed and the batch processing mode of the first phase will be replaced by an interactive information processing system environment allowing the standard terminal applications of message switching, broadcasting, inquiry, data collection, conversational data entry, and order entry.

ED088507 IR000341

THE VOCATIONAL EDUCATION COMPONENT OF THE RHODE ISLAND EDUCATIONAL MANAGEMENT INFORMATION SYSTEM.

Galamaga, Donald P.; Bartolomeo, Paul A.

Rhode Island State Dept. of Education, Providence. Education Information Center.

Pub Date 74 Note-36p.

EDRS Price MF-$0.75 HC-$1.85

Descriptors-*Computer Oriented Programs/ Computer Programs/ *Data Bases/ Information Processing/ *Information Systems/ *Management Information Systems/ Manuals/ Post Secondary Education/ Secondary Education/ Standards/ Systems Approach/ *Vocational Education

Identifiers-*Rhode Island

The document describes the implementation (Phase Two) of the Vocational Educational module—one component of an educational management information system. Phase Two entails the technical effort of final system design, final output specifications, edit specifications, system software selection, computer programing, systems documentation and the user effort of user-oriented education through seminars and the preparation of detailed user manuals. Three main topics are dealt with: 1) the approach to Management Information System (MIS) in Rhode Island Education; 2) the vocational MIS component of the overall system; and 3) standards and processing methods. It is suggested that the data bases will be helpful for administrators and educators to facilitate planning, management and control of the vocational education area. (CH)

ED089103 CE001159

SPEECHES PRESENTED AT THE ANNUAL NATIONAL LEADERSHIP DEVELOPMENT SEMINAR FOR STATE DIRECTORS OF VOCATIONAL EDUCATION. (6TH, NASHVILLE, TENNESSEE, SEPTEMBER 18-21, 1973).

Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Pub Date Sep 73 Note-293p.

EDRS Price MF-$0.75 HC-$13.80 PLUS POSTAGE

Descriptors-Career Education/ Decision Making/ *Educational Administration/ *Leadership/ Management/ Management Information Systems/ Management Systems/ Performance Specifications/ Program Evaluation/ Seminars/ Speeches/ *State Agencies/ State Boards of Education/ State Departments of Education/ Statewide Planning/ *Vocational Education

Identifiers-Fiedler (F E)

Following a welcoming address by the Governor of Tennessee, fifteen speeches were presented at the seminar. W. H. Pierce examined approaches to educational governance at the State level. Management, its efficiency, effectiveness, and organization, was the topic of several speeches (J. D. Mills, D. K. Gentry and C. P. Lamar). The development of performance based objectives was discussed by O. C. Behling, and the use of performance based objectives in statewide planning was the emphasis of D. L. Parks' presentation. Program evaluation was the topic of concern in speeches by R. S. Schendorf and by N. McCaslin. Aspects of career education were the focal point in both Wm. L. Smith's "The Greening of Career Education" and W. N. Suzuki's "A System for Upgrading Career Guidance Programs". The "Tennessee Management Information System" by Wm. M. Harrison and a discussion of a systems approach to management by C. H. Johnson, Jr., provided additional material. Iowa's approach to vocational education administration was described by Wm. O. Schuermann. A speech reviewing F. E. Fiedler's Contingency Model of leadership effectiveness presented by T. R. Mitchell and an analysis of techniques for administrative decision-making by D. E. Koble also contributed to the seminar. (AG)

ED089687 IR000399

A PROTOTYPE COMPUTER-ASSISTED PLANNING FOR EDUCATION. MANAGEMENT INFORMATION SYSTEM FOR OCCUPATION EDUCATION (MISOE) DESCRIPTION AND PERSPECTIVE IN THREE PARTS. PART I: A DESCRIPTION OF MISOE. PART II: POLICY-ORIENTED ANALYSIS IN AN INTERACTIVE SYSTEM. PART III: THE CHALLENGE IN MISOE.

Conroy, William G., Jr.; And Others

Management and Information System for Occupational Education, Winchester, Mass.

Pub Date Apr 74 Note-22p.; Paper presented at the American Educational Research Association Annual Meeting (Chicago, Illinois, April 15 through 19, 1974); Part II is available separately as IR 000 398

EDRS Price MF-$0.75 HC-$1.50 PLUS POSTAGE

Descriptors-*Computer Oriented Programs/ Educational Administration/ *Educational Planning/ Futures (of Society)/ Information Systems/ Management/ *Management Information Systems/ Man Machine Systems/ *Occupational Information/ Policy Formation/ Program Descriptions/ Simulation/ State Programs/ *Vocational Education

Identifiers-Dynamic Simulation/ *MISOE

An overview is provided of the Management Information System for Occupational Education (MISOE). MISOE is described as an interactive, computerized information system designed to be prototypical for the statewide management of education and to help managers at all levels better understand, through numerical analysis of past experience, the causal relationships between current policy and future results. Part I of the report outlines the structure and scope of MISOE, discussing the system's data files, its sampling design, and its data system index. Part II focuses upon policy analysis and data analyses within MISOE and describes dynamic simulation, a process which relates the

future consequences of current decisions made within the context of a complex social system. Part III deals with the potential which MISOE has for improving the quality of human life. (Author/PB)

Journal Articles

EJ010134 VT500809
MINNESOTA IMPLEMENTS THE REGIONAL CONCEPT IN A STATE COMMITTED TO PPBS
Malinski, Joseph F. Amer Vocat J; 44; 8; 36-38 69 Nov
Descriptors-Data Analysis/ Data Collection/ Educational Needs/ Program Budgeting/ *Program Planning/ *State Programs/ *Systems Approach/ *Vocational Education
Identifiers-Minnesota/ *Planning Programing Budgeting Systems/ PPBS

EJ015777 VT501166
PROJECT IMPROVE; THE DEVELOPMENT OF A STATE-OPERATED EVALUATION SYSTEM
Moss, Jr., Jerome; and others Amer Vocat J; 45; 2; 49-52 70 Feb
Descriptors-*Program Evaluation/ Speeches/ *State Programs/ *Systems Approach/ *Vocational Education
Identifiers-American Vocational Association Convention/ Minnesota/ *Project Improve
The article describes a project aimed at designing, developing, and testing a state-operated subsystem for periodic evaluation of the efficiency of individual post-high school and adult vocational programs. (JK)

EJ032741 VT502208
A STATE SYSTEM OF LABOR MARKET INFORMATION
McNamara, James F. American Vocational Journal; 46; 2; 43-46 Feb '71
Descriptors-*Educational Programs/ *Information Systems/ *Labor Market/ Labor Supply/ Manpower Needs/ *Program Planning/ Speeches/ State Programs/ Systems Development/ *Vocational Education
By comparing supply and demand data for each of 142 occupational categories, Pennsylvania program planners can spot critical shortages in any of the Commonwealth's major labor markets. (Editor)

EJ037380 EM501908
AN ACCOUNTABILITY AND EVALUATION DESIGN FOR OCCUPATIONAL EDUCATION
Schure, Alexander Educational Technology; 11; 3; 26-37 Mar 71
Descriptors-*Educational Accountability/ *Educational Quality/ *Management Systems/ *Models/ *Vocational Education
It is the intent of this article to describe a philosophy and initial application of an accountability system which can aid in coping with the problems of our occupationally related schools." (Author/AA)

EJ039721 VT502512
OTIS MATCHES MANPOWER SUPPLY AND DEMAND
American Vocational Journal; 46; 4; 54-56 Apr 71
Descriptors-*Information Systems/ *Job Training/ Manpower Development/ *Manpower Needs/ Occupational Information/ Subprofessionals/ *Vocational Education
Identifiers-*Occupational Training Information System/ OTIS
Oklahoma's occupational training information system--an innovation for statewide planning and action. (Editor)

EJ049831 EA502338
MANPOWER PLANNING IN HIERARCHICAL ORGANIZATIONS: A COMPUTER SIMULATION APPROACH
Weber, Wesley L. Management Science; 18; 3; 119-144 Nov 71
Descriptors-Computer Oriented Programs/ *Management Systems/ *Manpower Development/ *Organization/ *Planning/ *Simulation/ Vertical Organization

EJ058468 VT503699
STRATEGIES FOR EFFECTIVE ADMINISTRATION OF VOCATIONAL EDUCATION AT THE STATE LEVEL
Ristau, Robert A. Business Education Forum; 26; 8; 31-32 May 72
Descriptors-*Business Education/ *Educational Strategies/ Group Dynamics/ Information Systems/ Management Systems/ *Program Administration/ Program Planning/ *State Programs/ Telephone Communication Systems/ *Vocational Education

EJ069726 VT504444
PERT! WHAT? WHY? HOW?
Mulkerne, Donald J. D. Journal of Business Education; 48; 3; 111-114 Dec 72
Descriptors-Business Education/ *Management/ *Management Information Systems/ Master Plans/ *Models/ Planning/ Problem Solving/ Projects/ *Systems Approach
Identifiers-*Program Evaluation and Review Technique/ PERT
PERT: A management tool for planning and controlling events and activities necessary for the completion of a project. (SW)

EJ087442 CE500283
MANAGEMENT BY OBJECTIVES: PILOT PROGRAM
Houghton, Ed Delta Pi Epsilon Journal; 15; 4; 19-23 Aug 73
Descriptors-*Management Systems/ *Pilot Projects/ *Business Education
Identifiers-Management By Objectives/ Accountability
Reactions to a two-year pilot program of management by objectives in the Business Education Department at Utah State University were positive. (MS)

EJ092354 CE500619
A PREFACE; MANAGEMENT INFORMATION SYSTEM
Yeager, Garth E.; And Others Illinois Career Educational Journal; 31; 2; 2-3 W 74
Descriptors-*Vocational Education/ *Educational Planning/ *Systems Analysis/ *Management Information Systems/ Information Systems/ Decision Making
There is a pressing need for informational gathering activities designed to facilitate the decision-making activities of State and local vocational education planners. Management Information Systems are suggested as the rationally planned means whereby the information is received and transmitted. (Author/SA)

EJ092357 CE500622
THE THREE PHASE EVALUATION SYSTEMS AND THE MIS .MANAGEMENT INFORMATION SYSTEM.
Klit, John; Wentling, Tim Illinois Career Educational Journal; 31; 2; 13-6 W 74
Descriptors-*Evaluation Techniques/ *Vocational Education/ *Program Evaluation/ *Management Information Systems/ Data Collection/ Data Analysis/ Information Systems/ Systems Analysis/ Occupational Information
The Illinois Three Phase System for Statewide Evaluation of Occupational Education Programs will be operationally dependent on the Management Information System (MIS). The efficiency of the evaluation system will be greatly enhanced by the availability in the MIS. (Author/KP)

EJ092360 CE500625
DOCUMENTS AND DATA FOR CAREER EDUCATION
Mayisos, Joel M. Illinois Career Educational Journal; 31; 2; 38-42 W 74
Descriptors-*Career Education/ *Documentation/ *Information Systems/ Information Storage/ Information Retrieval/ Occupational Choice/ Information Dissemination/ Information Centers/ Computer Oriented Programs
Identifiers-Career Awareness
Good planning and management for career awareness, career exploration and occupational preparation require good information, both data-based and document-based. Both kinds of systems are described. Both depend upon computers to store manipulate, and retrieve information; however, wise use of information depends on the individual using it. (Author/SA)

Projects in Progress

The project number, duration, title, investigator, and institution are cited for FY 74 projects. Objectives, procedures, and end products are described in Applied Research Projects Supported in FY 1974 under Part C of the Vocational Education Amendments of 1968.

PROJECT NO.: V0066VZ

PROPOSED BEGINNING AND ENDING DATES: June 1, 1974 - November 30, 1975

PROJECT TITLE: A State Manpower/Curriculum Management System

INVESTIGATOR AND INSTITUTION: Donald M. Giles
Oregon State Department of Education
Salem, Oregon 97310

PROJECT NO.: V0071VZ

PROPOSED BEGINNING AND ENDING DATES: June 1, 1974 - November 30, 1975

PROJECT TITLE: Forecasting Model - Statewide Manpower Projections for Vocational Education

INVESTIGATOR AND INSTITUTION: Frank Henry Wimer
Coordinating Council for Occupational Education
Olympia, Washington 98504

PROJECT NO.: V0072VZ

PROPOSED BEGINNING AND ENDING DATES: June 1, 1974 - May 31, 1975

PROJECT TITLE: Vocational Management Information Interface Study

INVESTIGATOR AND INSTITUTION: Albert D. Link
South Carolina State Dept. of Education
Columbia, South Carolina 29201

PROJECT NO.: V0099VZ

PROPOSED BEGINNING AND ENDING DATES: June 1, 1974 - August 31, 1975

PROJECT TITLE: A "Hands-On" Information System for Vocational Education Planning: Applications Based on Changing Energy Resource Availability and Pricing

INVESTIGATOR AND INSTITUTION: David W. Stevens
University of Missouri-Columbia
Columbia, Missouri 65201

PROJECT NO.: V0187VZ

PROPOSED BEGINNING AND ENDING DATES: June 1, 1974 - November 30, 1975

PROJECT TITLE: Nebraska Vocational Information System

INVESTIGATOR AND INSTITUTION: To be Named
Nebraska Department of Education
Lincoln, Nebraska 68508

PROJECT NO.: V0304VZ

PROPOSED BEGINNING AND ENDING DATES: June 1, 1974 - November 30, 1975

PROJECT TITLE: Development of a Management Information System of the Puerto Rico Research, Planning, Evaluation, Statistics and Report Coordinating Unit

INVESTIGATOR AND INSTITUTION: Vidal Velez Serras
Commonwealth Department of Education
Hato Rey, Puerto Rico 00919

PROJECT NO.: V0306VZ

PROPOSED BEGINNING AND ENDING DATES: June 1, 1974 - November 30, 1975

PROJECT TITLE: The Development of a Basic Vocational Education Information System

INVESTIGATOR AND INSTITUTION: Robert L. Morgan
Center for Occupational Education
North Carolina State University at Raleigh
Raleigh, North Carolina 27607

ORDERING OF DOCUMENTS

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